INDEX TO ECOLOGICAL MONOGRAPHS, VOLUME 56, 1986

Author Index

C

Carpenter, R. C., 345
Clark, J. S., 97, 259

D

Dickman, C. R., 221

G

Gill, D. S., 127
Glitzenstein, J. S., 243
Goff, M. L., 327

H

Handel, S., 303
Harcombe, P. A., 243
Hestbeck, J. B., 161
Holekamp, K. E., 365
Holmes, R. T., 201

K

Kochmer, J. P., 303

L

Laird, M., 327
Lewis, S. M., 183

M

Mahall, B. E., 127
Marshall, P. E., 279
McNab, B. K., 1
Motten, A. F., 21

R

Richardson, C. J., 279
Robertson, G. P., 43
Rosswall, T., 43

S

Sebens, K. P., 73
Sherry, T. W., 201
Streng, D. R., 243
Sturges, F. W., 201

V

van Riper, C. I. III, 327
van Riper, S. G., 327
Victor, B. C., 145

Key Word Index

A

Acanthuridae, 183
Acer rubrum, 243
Aerial photographs, 259
Alcyonacea, 73
Algal biomass, 345
Algal turfs, 183, 345
Antechinus, 221
Ascidiacea, 73
Australia, 221
Avian malaria, 327

B

Barrier beaches, 97
Basal rate of metabolism, 1
Bees, 21
Benthos, 73
Bird abundance, 201
Body mass, 1
Bombylius major, 21

C

California, 127, 365
Caribbean, 145, 183, 345
Ceanothus megacarpus, 127
Chaparral, 127
Climate, 1
Coastal ecosystems, 97
Coastal vegetation, 259
Communities, 73, 259
Community dynamics, 201
Community ecology, 221, 303
Community organization, 183
Community structure, 201
Comparative demography, 243
Competition, 21, 73, 201, 221, 303
Coral reef fishes, 145
Coral reefs, 183, 345
Cyclical replacement, 243

D

Deciduous, 127
Deciduous forest, 21
Demography, 161
Diadema antillarum, 345
Disease, 327
Dispersal, 365
Disturbance, 243
Drought avoidance and tolerance, 127

E

Ecological character displacement, 303
Ecosystems, 259
Emigration, 365
Enclosures, 221
Energetics, 1
Eutherians, 1
Evergreen, 127
Evolution, 1
Extinction, 327

F

Fagus grandifolia, 243
Fen, 279
Fire scars, 259
Fish grazing, 183
Floral biology, 21
Flowering phenology, 303
Food availability, 221
Food habits, 1
Forest herbs, 21
Forest history, 259
Forest regeneration, 243
Freundlich isotherm, 279

G

Global biogeochemistry, 43
Ground squirrels, 365

H

Hawaiian Islands, 327
Herbivorous fishes, 345
Herbivory, 183, 345
Hierarchy, 73
Host–parasite relationships, 327
Hubbard Brook, 201

I

Island birds, 327

J

Japan, 303

L

Larvae, 145
Leaf curling, 127
Life forms, 303
Life history constraints, 303
Limiting resources, 221
Long Island, New York, 97, 259

M

Macroalgae, 183
Mammals, 1
Marsupials, 1, 221
Microbial populations, 279
Microcosm, 279
Microherbivores, 345
Microtus californicus, 161
Mortality, 145

N

Natal dispersal, 365
Neotropical migrant birds, 201
Network, 73
New Hampshire, 201

Nitrogen, 43
Nitrogen models, 43
Nonequilibrium community, 183
North Carolina, 21, 303
Null models, 303

O

Old fields, 259
Ontogenetic switch hypothesis, 365
Overgrowth, 73

P

^{32}P, 279
Paleoecology, 97, 259
Peatlands, 279
Phenology, 127
Phosphorus cycling, 279
Phosphorus isotherms, 279
Phylogenetic constraints, 303
Pinus taeda, 243
Plant community, 21
Plant–herbivore interactions, 183, 345
Plasmodium, 327
Pollen analysis, 97, 259
Pollination, 21, 303
Population regulation, 161, 201, 327
Populations, 259
Porifera, 73
Predator avoidance, 1
Primary production, 345
Primary productivity, 279
Proximal and ultimate causes, 365

Q

Quercus alba, 243

R

Recruitment, 145
Resource exhaustion, 161
r_{max}, 1

S

Salt marsh, 97
Salvia mellifera, 127
Scaling, 1
Scaridae, 183
Seed-set, 21
Settlement, 145
Sex differences, 365
Small mammals, 221
South Carolina, 303
Southern mesic forest, 243
Spacing behavior, 161
Spatial pattern, 243
Species diversity, 243
Spermophilus beldingi, 365
Spring wildflowers, 21
Stand development, 243
Subtidal, 73
Succession, 97, 243, 259

T

Temperature, 127
Texas, 243
Thalassoma, 145
Torpor, 1
Tree rings, 259
Tropical diversity, 183
Tropical nutrient cycling, 43

V

Vegetation analysis, 259
Vegetation pattern, 97
Voles, 161

W

Water relations, 127
West Africa, 43

X

Xylem pressure potential, 127

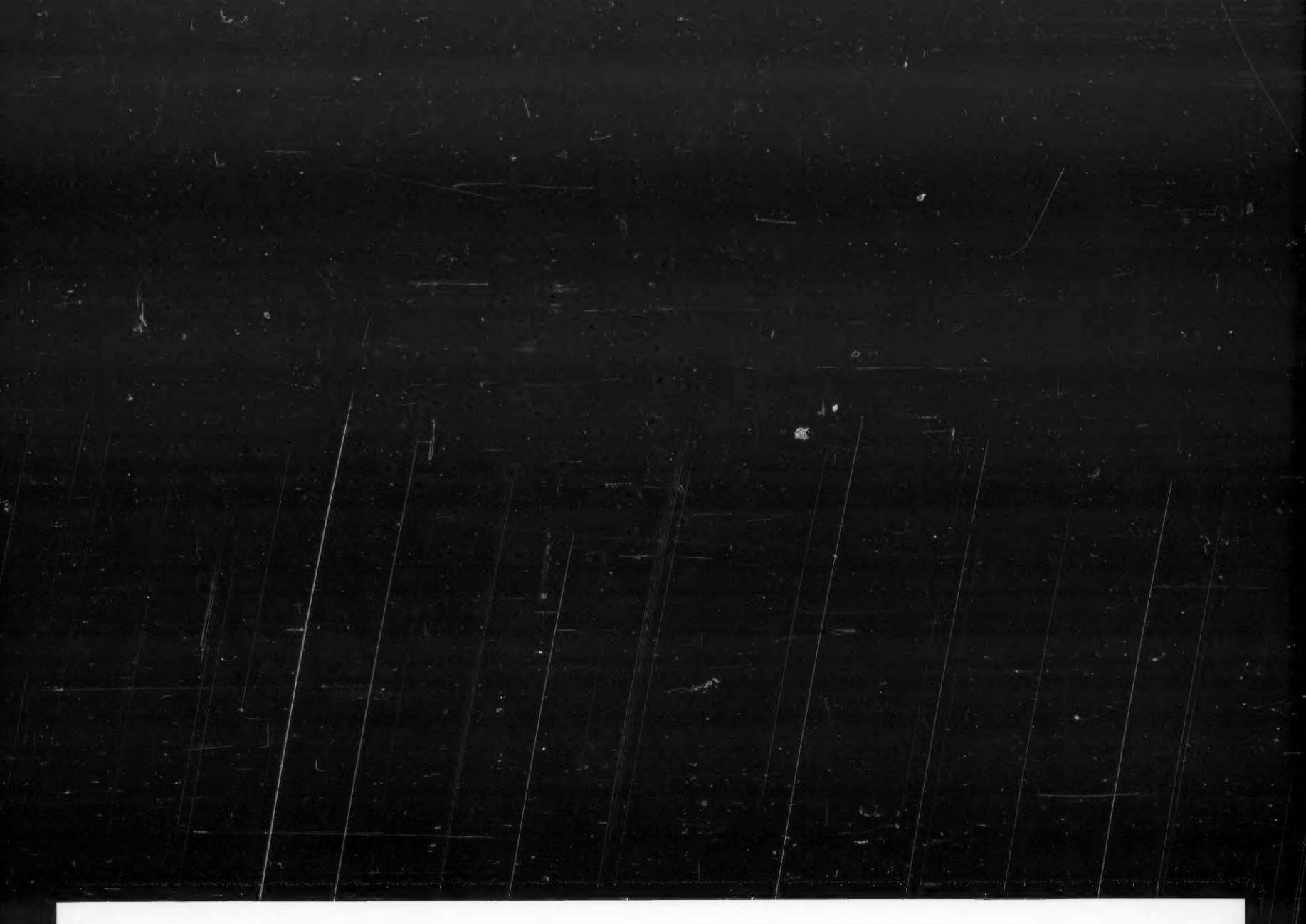

TABLE OF CONTENTS

VOLUME 56, 1986

NUMBER 1, MARCH

MCNAB, B. K. The influence of food habits on the energetics of eutherian mammals 1–19

MOTTEN, A. F. Pollination ecology of the spring wildflower community of a temperate deciduous forest 21–42

ROBERTSON, G. P., AND T. ROSSWALL. Nitrogen in West Africa: the regional cycle 43–72

SEBENS, K. P. Spatial relationships among encrusting marine organisms in the New England subtidal zone 73–96

NUMBER 2, JUNE

CLARK, J. S. Dynamism in the barrier-beach vegetation of Great South Beach, New York 97–126

GILL, D. S., AND B. E. MAHALL. Quantitative phenology and water relations of an evergreen and a deciduous chaparral shrub 127–143

VICTOR, B. C. Larval settlement and juvenile mortality in a recruitment-limited coral reef fish population 145–160

HESTBECK, J. B. Multiple regulation states in populations of the California vole, *Microtus californicus* 161–181

NUMBER 3, SEPTEMBER

LEWIS, S. M. The role of herbivorous fishes in the organization of a Caribbean reef community 183–200

HOLMES, R. T., T. W. SHERRY, AND F. W. STURGES. Bird community dynamics in a temperate deciduous forest: long-term trends at Hubbard Brook 201–220

DICKMAN, C. R. An experimental study of competition between two species of dasyurid marsupials 221–241

GLITZENSTEIN, J. S., P. A. HARCOMBE, AND D. R. STRENG. Disturbance, succession, and maintenance of species diversity in an east Texas forest 243–258

CLARK, J. S. Coastal forest tree populations in a changing environment, southeastern Long Island, New York 259–277

NUMBER 4, DECEMBER

RICHARDSON, C. J. AND P. E. MARSHALL. Processes controlling movement, storage, and export of phosphorus in a fen peatland 279–302

KOCHMER, J. P., AND S. N. HANDEL. Constraints and competition in the evolution of flowering phenology 303–325

VAN RIPER III, C., S. G. VAN RIPER, M. L. GOFF, AND M. LAIRD. The epizootiology and ecological significance of malaria in Hawaiian land birds 327–344

CARPENTER, R. C. Partitioning herbivory and its effects on coral reef algal communities 345–363

HOLEKAMP, K. E. Proximal causes of natal dispersal in Belding's ground squirrels (*Spermophilus beldingi*) 365–391